

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Tsuneo TAKAHASHI et al.

Serial No. 09/786,442 ✓

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RECEPTOR PROTEIN AND METHOD FOR
THE DIAGNOSIS OF AN INFLAMMATORY
DISEASE BY USING THE SAMEINFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents

Washington, D.C. 20231

Sir:

In compliance with Rules 1.97 and 1.98, and in fulfillment of the duty of disclosure under Rule 1.56, the accompanying documents, copies of which are attached to this statement, are made of record on the enclosed sheet.

A concise explanation of the relevance of these items is given in the attached memorandum.

Respectfully submitted,

YOUNG & THOMPSON

By

Robert J. Patch
Attorney for Applicants
Registration No. 17,355
745 South 23rd Street
Arlington, VA 22202
Telephone: 703/521-2297

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MEMORANDUM ON INFORMATION DISCLOSURE STATEMENT

- (1) Sornasse et al., J. Exp. Med., 175, pp. 15-21, 1992
- (2) Mehta-Damani et al., J. Immunol., 153, No. , pp. 996-1003, 1994
- (3) "The Leukocyte Antigen Facts Book", Barclay, A. Neil ed., Academic Press Inc., pp. 38-87, 1993
- (4) Hisashi IIZASA and Kouji MATSUSHIMA, "Rinsho Men-eki (Clinical Immunology)", 28, 731-737, 1996
- (5) Howard, O.M.Z et al., TIBTECH, 14, pp. 46-51, 1996
- (6) Power, C.A. et al., Trends Pharmacol. Sci., 17, pp. 209-213, 1996
- (7) Marleau et al., J. Immunol, 157, pp. 4141-4146, 1996
- (8) Choe et al., Cell, 85, pp. 1135-1148, 1996
- (9) Bleul et al., Nature, 382, pp. 829-833, 1996
- (10) Premack et al., Nature Med., 2, No. 11, pp. 1174-1178, 1996
- (11) Loetscher et al., J. Exp. Med., 184, pp. 963-969, 1996
- (12) Samson et al., Eur. J. Immunol., 28, pp. 1689-1700, 1998
- (13) Loetscher, P. et al., Nature, 391, pp. 344-345, 1998
- (14) Bonecchi et al., J. Exp. Med., 187, No. 1, pp. 129-134, 1998
- (15) Smyth, C. J., Postgrad. Med., 51, No. 6, pp. 31-39, 1972
- (16) Arnett, F.C. et al., The American Rheumatism Association 1987 revised criteria for the classification of rheumatoid arthritis, Arthritis Rheum, 31, pp. 315-324, 1988
- (17) Kuniomi YAMAMAE, "Igaku no ayumi (Progress in Medicine)", 182, No. 9, pp. 605-610, 1997

- (18) Lisitsyn et al., Science, Vol. 259, pp. 946-951, 1993
- (19) Romani et al., J. Exp. Med., 180, pp. 83-93, 1994
- (20) Talmor et al., Eur. J. Immunol., 28, pp. 811-817, 1998
- (21) Morse, MA et al., Ann Surg., 226, pp. 6-16, 1997
- (22) Kroll, B. et al., FEBS Lett., 291, pp. 208-210, 1991
- (23) Kyte, J. et al., J. Mol. Biol., 157, pp. 105-132, 1982
- (24) Crass et al., Eur. J Immunol, 26, pp. 1944-1950, 1996
- (25) Boulay, F. et al., Biochem. Biophys. Res. Commun., 168, pp. 1103-1109, 1990
- (26) Combadiere et al., J. Biol. Chem., 270, No. 27, pp. 16491-16494, 1995
- (27) Colins, J. et al., Proc. Natl. Acad. Sci., 75, pp. 4242-4246, 1978
- (28) Samson et al., Biochemistry, 35, pp. 3362-3367, 1996
- (29) Kenichi KASAI, "Tanpakushitsu, Kakusan, Kouso (Protein, Nucleic Acid and Enzyme)", 37, pp. 2977-2984, 1992
- (30) Whyte et al., J. Immunol., 150, pp. 5124-5134, 1993
- (31) Watson et al., J. Immunol., 158, pp. 945-953, 1997
- (32) Gray et al., J. Immunol., 157, pp. 5438-5447, 1996
- (33) U.S. Patent No. 5,508,384
- (34) Alvarez, V. et al., Immunogenetics, 44, pp. 446-452, 1996
- (35) Boulay, F. et al., Biochemistry, 30(12), pp. 2993-2999, 1991
- (36) Perret, J.J. et al., Biochem. J., 288, pp. 911-917, 1992
- (37) Gerard et al., Nature, 349, pp. 614-617, 1991
- (38) Ohno, M. et al., Molecular Immunology, 37, pp. 407-412, 2000

Reference (1) is described at page 3, lines 5 to 7 of the present specification.

Reference (2) is described at page 3, lines 12 to 17 of the present specification.

Reference (3) is described at page 5, lines 19 to 24 of the present specification.

Reference (4) is described at page 6, line 19 to page 7, line 4 of the present specification.

Reference (5) is described at page 7, lines 4 to 13 of the present specification.

Reference (6) is described at page 8, lines 6 to 13 of the present specification.

Reference (7) is described at page 9, line 10 to 13 of the present specification.

Reference (8) is described at page 9, lines 16 to 18 of the present specification.

Reference (9) is described at page 9, lines 19 to 22 of the present specification.

Reference (10) is described at page 10, lines 3 to 9 of the present specification.

Reference (11) is described at page 10, lines 3 to 9 of the present specification.

Reference (12) is described at page 10, lines 19 to 22 of the present specification.

Reference (13) is described at page 13, lines 14 to 17 of

the present specification.

Reference (14) is described at page 13, lines 14 to 17 of the present specification.

Reference (15) is described at page 15, lines 1 to 12 of the present specification.

Reference (16) is described at page 15, lines 15 to 21 of the present specification.

Reference (17) is described at page 16, lines 15 to 20 of the present specification.

Reference (18) is described at page 17, lines 12 to 14 of the present specification.

Reference (19) is described at page 29, lines 19 to 21 of the present specification.

Reference (20) is described at page 29, line 25 to page 30, line 10 of the present specification.

Reference (21) is described at page 29, line 25 to page 30, line 10 of the present specification.

Reference (22) is described at page 35, lines 16 to 21 of the present specification.

Reference (23) is described at page 38, lines 1 to 5 of the present specification.

Reference (24) is described at page 39, lines 8 to 9 of the present specification.

Reference (25) is described at page 39, lines 9 to 11 of the present specification.

Reference (26) is described at page 50, lines 4 to 8 of

the present specification.

Reference (27) is described at page 56, line 10 to 15 of the present specification.

Reference (28) is described at page 63, lines 17 to 19 of the present specification.

Reference (29) is described at page 64, lines 6 to 9 of the present specification.

Reference (30) is described at page 76, lines 8 to 14 of the present specification.

Reference (31) is described at page 77, lines 20 to 24 of the present specification.

Reference (32) is described at page 84, line 6 to 12 of the present specification.

References (33) to (37) are cited in the International Search Report. An English translation of the International Search Report is attached hereto.

Reference (38) discloses the receptor of the present invention, but it is published after the international filing date of the present application.